

INFORMATION DISCLOSURE CITATION

OMB No. 0651-0011

0115 Rec'd PCT/PTO 03 SEP 2004

Atty. Docket No. 05788.0319	Application No. Not Yet Assigned	10/506542
Applicants Marco ROMAGNOLI et al.		
Filing Date September 3, 2004	Group: Not Yet Assigned	

U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Issue/Pub. Date	Name	Class	Sub Class	Filing Date If Appropriate
OR	5,526,449	06/11/96	MEADE et al.			
	6,134,369	10/17/00	KUROSAWA			
	6,064,511	05/16/00	FORTMANN et al.			
	6,198,860 B1	03/06/01	JOHNSON et al.			
	6,317,554 B1	11/13/01	KOSAKA et al.			

FOREIGN PATENT DOCUMENTS							
	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No	
	EP 0 764 861 A2/A3	03/26/97	EUROPE				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	KOSAKA, H. et al.; "Photonic-Crystal Spot-Size Converter"; Applied Physics Letters, Vol. 76, No. 3, pages 268-270, (January 17, 2000).
	JOANNOPOULOS; J. D., "The Almost-Magical World Of Photonic Crystals"; Brazilian Journal of Physics, Vol. 26, No. 1, pages 58-67, (March 1996).
	ARETZ, K. et al.; "Reduction Of Crosstalk And Losses Of Intersecting Waveguide"; Electronics Letters, IEE Stevenage, GB, Vol. 25, No. 11, pages 730-731, (May 25, 1989).
	KOSAKA, H. et al.; "Self-Collimating Phenomena In Photonic Crystals"; Applied Physics Letters, Vol. 74, No. 9, pages 1212-1214, (March 1, 1999).
	ROMANOV, S. G. et al.; "Photonic Band-Gap Effects Upon The Light Emission From A Dye-Polymer-Opal Composite"; Applied Physics Letters, Vol. 75, No. 8, pages 1057-1059, (August 23, 1999).
✓	ETCHEGOIN, P. et al.; "Photon Focusing, Internal Diffraction, And Surface States In Periodic Dielectric Structures"; Physical Review, B Vol. 53, No. 19, pages 12674-12683, (May 15, 1996).

Examiner <i>Or Roja</i>	Date Considered 11/28/05
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce

Best Available Copy

INFORMATION DISCLOSURE CITATION

Atty. Docket No.	05788.0319	Application No.	Not Yet Assigned	10/506542
Applicants	Marco ROMAGNOLI et al.			
Filing Date	September 3, 2004	Group:	Not Yet Assigned	

[illegible]

FOREIGN PATENT DOCUMENTS							
		Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
OK	JOHNSON, S. G. et al.; "Guided Modes In Photonic Crystal Slabs"; Physical Review B, Vol. 60, No. 8, pages 5751-5758, (August 15, 1999).
OK	CHOW, E. et al.; "Three-Dimensional Control Of Light In A Two-Dimensional Photonic Crystal Slab"; Nature, Vol. 407, No. 6807, pages 983-986, (October 26, 2000).
OK	JOHNSON, S. G. et al.; "Elimination Of Cross Talk In Waveguide Intersections"; Optical Society of America, Optics Letters, Vol. 23, No. 23, pages 1855-1857, (December 1, 1998).

Examiner <i>[Signature]</i>	Date Considered <i>11/28/05</i>
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
Form PTO 1449	Patent and Trademark Office - U.S. Department of Commerce

Best Available Copy

IDS Form PTO/SB/08: Substitute for form 1			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANTS (Use as many sheets as necessary)			Application Number	10/366,542	
			Filing Date	September 3, 2004	
			First Named Inventor	Marco ROMAGNOLI et al.	
			Art Unit	Not Yet Assigned	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	1	Attorney Docket Number	05788.0319

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No. ¹	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-			
		US-			
		US-			
		US-			

Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
OR		WO 03/075055 A1	09-12-2003	ROMAGNOLI et al.		
OR		WO 03/075056 A1	09-12-2003	ROMAGNOLI et al.		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
OR		ESPINOLA, R. L. et al., "A Study of High-Index-Contrast 90° Waveguide Bend Structures", OPTICS EXPRESS, Vol. 8, No. 9, pp. 517-528, (April 23, 2001).	
		YANG, W. et al., "Design of Planar Optical Waveguide Corners With Turing Mirrors", Proceedings of Integrated Optics, Technical Digest Series, Vol. 6, pp. 58-63, (1996).	
		MANOLATOU, C. et al., "High-Density Integrated Optics", Journal of Lightwave Technology, Vol. 17, No. 9, pp. 1682-1692, (September 1999).	
		MEKIS, A. et al., "High Transmission Through Sharp Bends in Photonic Crystal Waveguides", Phys. Rev. Lett., Vol. 77, pp. 3787-3790, (1996).	
		MEADE, R. D. et al., "Novel Application of Photonic Band Gap Materials: Low-Loss Bends and High Q Cavities", J. App. Phys., Vol. 75, pp. 4753-4755, (1994).	
		CHOW, E. et al., "Quantitative Analysis of Bending Efficiency in Photonic-Crystal Waveguide Bends at $\lambda=1.55 \mu\text{m}$ Wavelengths", Optics Letters, Vol. 26, No. 5, (March 1, 2001).	
		LONČAR, M. et al., "Three-Dimensional Analysis of Dispersion Properties of Planar Photonic Crystals", Proceedings of PECS III Conference, St. Andrews, Scotland, pp. 1-2, (June 2001).	
		LONČAR, M. et al., "Design and Fabrication of Silicon Photonic Crystal Waveguides", Journal of Lightwave Technology, Vol. 18, No. 10, pp. 1402-1411, (October 2000).	
		ASHCROFT et al., "SOLID STATE PHYSICS", International Edition, Sanders College Publishing, p. 89.	

Examiner Signature	<i>CR Rojas</i>	Date Considered	11/28/05
-----------------------	-----------------	--------------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Best Available Copy